| Inde | ex of Cl | aims |
|------|----------|------|
| | | |

| App | lication | on/Co | ntrol | No. |
|-----|----------|-------|-------|-----|
|-----|----------|-------|-------|-----|

10/697,329

Date

Examiner

Arnold M. Kinkead

Applicant(s)/Patent under Reexamination

HAMAGUCHI ET AL.

Art Unit

2817

Rejected Allowed

(Through numeral)
Cancelled Restricted

Claim

Non-Elected N Interference

Appeal A 0 Objected

| | . – | | | | | | | | | |
|----------------|--|--------------|--------------|--|--------------|--|--------------|--|--|----------|
| Cla | Date | | | | | | _ | | | |
| Final | Original | 4/25/06 | | | | | | | | |
| 1 | 1 | = | | | | \neg | | | | \neg |
| | 2 | | | | | | | | | \neg |
| | 1 2 3 4 5 | | | | | | | | | |
| 3 | 4 | 11 | | | | | | | | |
| 3 | 5 | = | | | | | | | | Ш |
| 4 | 6 7 | = | | | | | | | | _ |
| 4 5 6 | 7 | = | \Box | _ | | | | | Ш | |
| 6 | 8 | = | - | = | | _ | | | \vdash | _ |
| 7 | 9 | = | _ | - | | | | | - | - |
| 9 | 10 | = | | | | | | _ | | \dashv |
| 10 | 12 | = | | \vdash | - | | _ | _ | \vdash | \dashv |
| 11 | 13 | = | | Н | | - | | _ | - | \dashv |
| 11 12 13 | 10 11 12 13 14 15 16 17 18 | = | H | H | | \vdash | - | _ | \vdash | \vdash |
| 13 | 15 | = | | Н | | | - | | Н | |
| 14 | 16 | = | | | | | | | П | \neg |
| 14 15 16 | 17 | = | | | П | | | | | |
| 16 | 18 | = | | | | | | | | |
| | 19 | | | | | | | | | |
| | 20 | | | | | | | | | |
| | 21 | | | | | | | | | Ш |
| | 22 | | | | | | | | | Щ |
| | 23 | _ | _ | | | | _ | | | Ш |
| <u> </u> | 24 | <u> </u> | | | _ | <u> </u> | Ŀ | | | Ш |
| | 25 | ├ | | | _ | <u> </u> | <u> </u> | | H | |
| | 22 23 24 25 26 27 | ├ | | | | | \vdash | _ | H | - |
| _ | 20 | ├ | \vdash | ├ | <u> </u> | - | ⊢ | _ | | \vdash |
| - | 28 29 30 | ┢ | - | \vdash | _ | ⊢ | \vdash | - | \vdash | \vdash |
| | 30 | \vdash | | \vdash | ┢ | \vdash | - | ┝ | \vdash | H |
| | 31 | | | _ | ┢ | | _ | \vdash | H | Н |
| | 31 32 | T | | | | | | | | |
| | 33 | | | | Г | | | \vdash | | |
| | 33 34 35 | | | | | | | | | |
| | 35 | | | | | | | | | \Box |
| | 36 37 | | | | | 匚 | | | <u> </u> | Ш |
| | 37 | <u> </u> | _ | <u> </u> | <u> </u> | | _ | $ldsymbol{ld}}}}}}$ | | <u> </u> |
| | 38 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | \vdash |
| - | 39 40 | - | <u> </u> | _ | - | — | - | _ | <u> </u> | _ |
| | | - | | ⊢ | - | ₩ | \vdash | - | ├ | - |
| - | 41 | ├- | \vdash | \vdash | ⊢ | \vdash | \vdash | | \vdash | |
| - | 42 | | \vdash | \vdash | \vdash | \vdash | - | \vdash | - | \vdash |
| <u> </u> | 44 | \vdash | \vdash | | \vdash | \vdash | ⊢ | - | - | \vdash |
| | 45 | \vdash | H | - | | \vdash | | - | | H |
| | 46 | T | \vdash | | ⇈ | | | \vdash | | \vdash |
| | 47 | T | T | | | t | Г | <u> </u> | | |
| | 48 | | П | | | | Г | T | | П |
| | 49 | | | | Г | \vdash | | Г | Г | |
| | 50 | | | | | | | | Г | П |

| | | _ | | | _ | | | _ | _ | \dashv |
|----------|----------|----------|----------------|--------------|--|--|------------------|--------------|--|--------------|
| Final | Original | | | | | | | | | |
| | 51 | | | \vdash | | | | | | |
| \Box | 52 | | | Н | | | | | | П |
| | 53 | | | | | | | | | \neg |
| \Box | 54 | | | | | | | | | ᅵ |
| | 55 | | \vdash | | | | | | | П |
| | 56 | | | | | | | | | |
| | 57 | | | | | | | | | |
| | 58 | | | | | | | | | |
| | 59 | | | | | | | | | |
| | 60 | | | | | | | | | |
| | 61 | | | П | | | | | | |
| | 62 | | | | | | | | | |
| | 63 | | | | | | | | | |
| | 64 | | | | | | | | | |
| | 65 | | | | | | | | | |
| | 66 | | | | | | | | | |
| | 67 | | | | | | | | | |
| | 68 | | | | | | | | | |
| | 69 | | | | | | | | | |
| | 70 | | <u> </u> | | | | | | | |
| | 71 | | | | | | | | | |
| | 72 73 | | | | | | | | | |
| | 73 | | | | | | | | | |
| | 74 | | | | | | | | | |
| | 75 | | | L | L | <u> </u> | <u> </u> | | L | |
| | 76 | L | | 乚 | L | _ | L | L | 匚 | Ш |
| | 77 | | L | L | | | L | L | Ļ | |
| L | 78 | _ | <u></u> | Ŀ | | | | | Ĺ | Ш |
| <u> </u> | 79 | _ | _ | | _ | ┖ | 匚 | L | _ | Ш |
| | 80 | | _ | <u> </u> | _ | ┖ | 匚 | | <u> </u> | |
| | 81 | | <u> </u> | <u> </u> | L. | | | | L | Щ |
| | 82 | _ | <u> </u> | L | <u> </u> | <u> </u> | _ | L. | | _ |
| | 83 | <u> </u> | <u> </u> | \perp | _ | _ | L | <u> </u> | _ | |
| <u> </u> | 84 | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | \vdash |
| <u> </u> | 85 | <u> </u> | | | ├ | <u> </u> | <u> </u> | _ | — | \vdash |
| <u> </u> | 86 87 | <u> </u> | 1 | ⊢ | 1— | ⊢ | ⊢ | | - | |
| - | 87 | ├ | ├ | | - | ├ | ⊢ | ⊢ | ⊢ | _ |
| | 88 | - | \vdash | ⊢ | — | ├ | ₩ | ⊢ | - | \vdash |
| - | 89 | ┞- | ⊢ | ⊢ | | ├- | ├ | ⊢ | ⊢ | |
| - | 90 | \vdash | \vdash | \vdash | ├ | \vdash | ╁ | ┢ | ⊢ | - |
| - | 91 92 | - | - | ╁ | \vdash | ├ | \vdash | \vdash | | |
| | 93 | - | | \vdash | ╁ | \vdash | - | \vdash | \vdash | \vdash |
| - | 94 | - | | ╁ | \vdash | + | ├- | \vdash | ╁ | \vdash |
| - | 95 | \vdash | \vdash | ╁ | ╁ | \vdash | - | ┢ | \vdash | \vdash |
| - | 96 | - | +- | ╁ | \vdash | - | \vdash | \vdash | \vdash | \vdash |
| - | 97 | \vdash | 1 | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash |
| - | 98 | \vdash | +- | ╁ | \vdash | \vdash | \vdash | +- | \vdash | \vdash |
| | 99 | \vdash | t | H | †- | t^{-} | t^- | t^- | ✝ | \vdash |
| \vdash | 100 | H | t | | | | t^- | \vdash | 1 | \vdash |
| | | | 1 | 1 | | | | 1 | 1 | |

| Cla | aim | | - | | | ate | - | | | \neg |
|--|-------------------|----------|--------------|----------|----------|--------------|--|----------|--------------|----------|
| | | | | | | | | | | |
| Final | Original | | | | | | | | | ļ |
| Ē | Ç | | | | | | | | | |
| | | | | | | | | | | _ |
| | 101 102 | | | Ш | | | | | \Box | |
| | 102 | | | | | | | _ | | _ |
| | 103 | \vdash | | | | Н | | _ | \dashv | |
| | 104 105 | _ | | | | Н | | _ | \dashv | - |
| | 105 | Н | | _ | | - | | | \dashv | ᅱ |
| | 100 | Н | | - | | Н | - | | \vdash | \dashv |
| | 107 108 109 | _ | - | | | Н | | _ | \dashv | \dashv |
| | 109 | \vdash | | Н | | | - | _ | \neg | \dashv |
| | 110 | _ | _ | Н | | | | | | \dashv |
| | 110 111 | | | П | | | | | | П |
| | 112 | | | | | | | | | |
| | 113 | | | | | | | | | |
| | 112 113 114 | | | | | | | | | |
| | 115 | | | | | | | | | |
| | 115 116 | | L | | | | | | | |
| | 117 | | L | | _ | $oxed{oxed}$ | | | | \Box |
| | 118 | | _ | ļ | | lacksquare | | | | \Box |
| | 119 120 | _ | <u> </u> | | _ | | _ | | | Ш |
| | 120 | | <u> </u> | _ | <u> </u> | _ | <u> </u> | _ | | _ |
| <u> </u> | 121 122 | - | ├- | <u> </u> | <u> </u> | | H | _ | _ | - |
| - | 122 | - | ┢ | ⊢ | \vdash | - | \vdash | - | | \vdash |
| | 123 124 125 | - | ┝ | ⊢ | ┝ | - | H | - | - | \vdash |
| | 125 | ╁ | | ┝ | ┝ | \vdash | \vdash | \vdash | - | \vdash |
| | 126 | ┢ | - | \vdash | Н | H | 1 | \vdash | | Н |
| | 127 | 1 | | 一 | ┢ | | _ | \vdash | | |
| | 126 127 128 | | | 1 | | | | | | |
| | 129 130 | | | | | | Г | | | |
| | 130 | | | | | | | | | |
| | 131 132 | | <u> </u> | L | | | <u></u> | | L | L |
| | 132 | _ | | <u> </u> | | | _ | | _ | |
| <u> </u> | 133 | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | _ | | _ | Ш |
| <u> </u> | 134 | ┡ | <u> </u> | ├ | _ | _ | _ | <u> </u> | <u> </u> | Ш |
| <u> </u> | 135 136 | \vdash | \vdash | ⊢ | ├- | \vdash | | - | | \vdash |
| | 130 | \vdash | \vdash | ╁ | - | \vdash | \vdash | \vdash | ⊢ | Н |
| | 137 138 | - | ⊢ | \vdash | - | \vdash | \vdash | ┢ | ╁ | Н |
| - | 139 | ╁ | \vdash | | - | \vdash | \vdash | - | \vdash | H |
| - | 140 | t^- | t | 一 | ┢ | \vdash | | \vdash | T | Н |
| \vdash | 141 | T | T | T | \vdash | T | 1 | Т | | П |
| | 142 | | T | Γ | | T | | Γ | Г | П |
| | 143 | | Π | | | | | | | |
| | 144 | L | | L | | L | L | | | |
| | 145 | | | | | | | | | |
| | 146 | | | \Box | | | | | 匚 | |
| | 147 | \perp | | | Ĺ | _ | _ | L | $oxed{oxed}$ | |
| | 148 | | 1 | <u> </u> | L | _ | _ | <u>L</u> | <u> </u> | <u> </u> |
| | 149 | ↓_ | <u> </u> | ┖ | | | - | ⊢ | <u> </u> | _ |
| L | 150 | 1 | <u>L_</u> | 乚 | | <u>L_</u> | L | <u> </u> | 乚 | <u></u> |